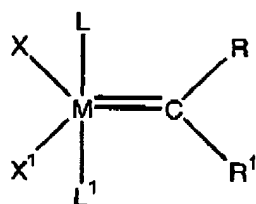


**Amendment to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A polymer composite consisting of at least one, optionally hydrogenated, nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) in the range of from 50-30 and a polydispersity index of less than 2.7, at least one filler and optionally at least one cross-linking agent,

wherein the optionally hydrogenated, nitrile rubber polymer is prepared by reacting a nitrile polymer in the presence of one or more compounds of the general formulas I, II, III or IV



Formula I

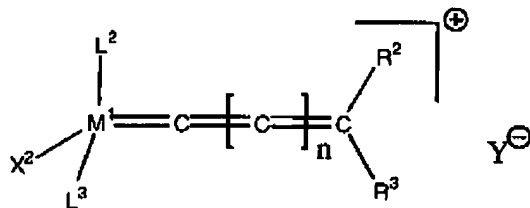
wherein:

M is Os or Ru,

R and R<sup>1</sup> are, independently, hydrogen or a hydrocarbon selected from the group consisting of C<sub>2</sub>-C<sub>20</sub> alkenyl, C<sub>2</sub>-C<sub>20</sub> alkynyl, C<sub>1</sub>-C<sub>20</sub> alkyl, aryl, C<sub>1</sub>-C<sub>20</sub> carboxylate, C<sub>1</sub>-C<sub>20</sub> alkoxy, C<sub>2</sub>-C<sub>20</sub> alkenyloxy, C<sub>2</sub>-C<sub>20</sub> alkynyloxy, aryloxy, C<sub>2</sub>-C<sub>20</sub> alkoxycarbonyl, C<sub>1</sub>-C<sub>20</sub> alkylthio, C<sub>1</sub>-C<sub>20</sub> alkylsulfonyl and C<sub>1</sub>-C<sub>20</sub> alkylsulfinyl.

X and X<sup>1</sup> are independently any anionic ligand, and

L and L<sup>1</sup> are independently any neutral ligand, such as phosphines, amines, thioethers or imidazolidinylidene (which are especially preferred) or any neutral carbene, optionally, L and L<sup>1</sup> can be linked to one another to form a bidentate neutral ligand;



Formula II

wherein:

M<sup>1</sup> is Os or Ru;

R<sup>2</sup> and R<sup>3</sup> are, independently, hydrogen or a hydrocarbon selected from the group consisting of C<sub>2</sub>-C<sub>20</sub> alkenyl, C<sub>2</sub>-C<sub>20</sub> alkynyl, C<sub>1</sub>-C<sub>20</sub> alkyl, aryl, C<sub>1</sub>-C<sub>20</sub> carboxylate, C<sub>1</sub>-C<sub>20</sub> alkoxy, C<sub>2</sub>-C<sub>20</sub> alkenyloxy, C<sub>2</sub>-C<sub>20</sub> alkynyloxy, aryloxy, C<sub>2</sub>-C<sub>20</sub> alkoxy carbonyl, C<sub>1</sub>-C<sub>20</sub> alkylthio, C<sub>1</sub>-C<sub>20</sub> alkylsulfonyl and C<sub>1</sub>-C<sub>20</sub> alkylsulfinyl.

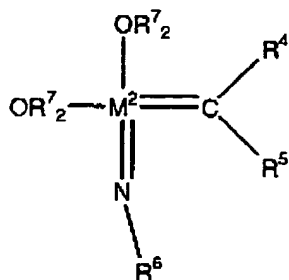
X<sup>2</sup> is a anionic ligand, and

L<sup>2</sup> is a neutral π-bonded ligand, independent of whether they are mono- or polycyclic.

L<sup>3</sup> is a ligand selected from the group consisting of phosphines, sulfonated phosphines, fluorinated phosphines, functionalized phosphines bearing up to three aminoalkyl-, ammoniumalkyl-, alkoxyalkyl-, alkoxy carbonylalkyl-, hydroxycarbonylalkyl-, hydroxyalkyl- or ketoalkyl- groups, phosphites, phosphinites, phosphonites, phosphinamines, arsines, stibenes, ethers, amines, amides, imines, sulfoxides, thioethers and pyridines.

Y<sup>-</sup> is a non-coordinating anion,

n is an integer in the range of from 0 to 5;

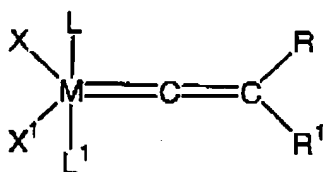


Formula III

wherein

M<sup>2</sup> is Mo or W.

R<sup>4</sup> and R<sup>5</sup> are, independently, hydrogen or a hydrocarbon selected from the group consisting of C<sub>2</sub>-C<sub>20</sub> alkenyl, C<sub>2</sub>-C<sub>20</sub> alkynyl, C<sub>1</sub>-C<sub>20</sub> alkyl.



Formula IV

aryl, C<sub>1</sub>-C<sub>20</sub> carboxylate, C<sub>1</sub>-C<sub>20</sub> alkoxy, C<sub>2</sub>-C<sub>20</sub> alkenyloxy, C<sub>2</sub>-C<sub>20</sub> alkynyloxy, aryloxy, C<sub>2</sub>-C<sub>20</sub> alkoxy carbonyl, C<sub>1</sub>-C<sub>20</sub> alkylthio, C<sub>1</sub>-C<sub>20</sub> alkylsulfonyl and C<sub>1</sub>-C<sub>20</sub> alkylsulfinyl.

R<sup>6</sup> and R<sup>7</sup> are independently selected from any unsubstituted or halo-substituted alkyl, aryl, aralkyl groups or silicon-containing analogs thereof, wherein:

M is Os or Ru.

R and R<sup>1</sup> are independently selected from the group consisting of hydrogen, substituted or unsubstituted alkyl, and substituted or unsubstituted alkyl.

X and X<sup>1</sup> are independently any anionic ligand, and L and L<sup>1</sup> are independently any neutral ligand, such as phosphines, amines, thioethers or imidazolidinylidene (which are especially preferred) or any neutral carbene, optionally, L and L<sup>1</sup> can be linked to one another to form a bidentate neutral ligand.

2. (Previously Presented) The polymer composite according to Claim 1 wherein the Mooney viscosity (ML 1+4 @ 100°C) is in the range of from 45-30.
3. (Previously Presented) The polymer composite according to Claim 1 wherein the Mooney viscosity (ML 1+4 @ 100°C) is in the range of from 40-30.
4. (Previously Presented) The polymer composite according to Claim 1, wherein the polymer composite comprises a peroxide or sulfur curing system.
5. (Previously Presented) A process for preparing the polymer composite according Claim 1 comprising mixing at least one, optionally hydrogenated, nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) in the range of from 50-30 and a polydispersity index of less than 2.7, at least one filler and optionally at least one cross-linking agent.
6. (Previously Presented) A process for the manufacture of a shaped article comprising the step of injection molding a polymer composite comprising at least one, optionally hydrogenated, nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) in the range of from 50-30 and a polydispersity index of less than 2.7, at least one filler and at least one cross-linking agent.
7. (Previously Presented) The process according to Claim 6, wherein the shaped article is a seal, a hose, a bearing pad, a stator, a well head seal, a valve plate, a cable sheathing, a wheel roller, a belt, in place gaskets or a pipe seal.

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